

Title (en)
Transmitter Linearisation

Title (de)
Senderlinearisierung

Title (fr)
Linéarisation d'un émetteur

Publication
EP 2876852 A1 20150527 (EN)

Application
EP 13194170 A 20131122

Priority
EP 13194170 A 20131122

Abstract (en)
An apparatus and method for reducing unwanted spectral emissions of a complex signal to be transmitted comprising calculating the nth power of the complex signal to be transmitted, calculating the complex conjugate of the nth power of the complex signal to be transmitted, applying a scaling factor to the complex conjugate to form a scaled correction signal, and adding the scaled correction signal to the signal to be transmitted.

IPC 8 full level
H03F 1/32 (2006.01); **H04L 27/36** (2006.01)

CPC (source: EP US)
H03F 1/3241 (2013.01 - EP US); **H03F 1/3258** (2013.01 - EP US); **H03F 1/3294** (2013.01 - EP US); **H03F 3/189** (2013.01 - EP US); **H03F 3/245** (2013.01 - EP US); **H04L 25/03828** (2013.01 - US); **H04L 25/06** (2013.01 - US); **H04L 25/08** (2013.01 - US); **H04L 27/367** (2013.01 - EP US); **H03F 2200/336** (2013.01 - EP US)

Citation (search report)

- [A] GB 2339657 A 20000202 - IFR LIMITED [GB]
- [A] US 5111155 A 19920505 - KEATE CHRISTOPHER R [US], et al
- [A] US 2013044791 A1 20130221 - RIMINI ROBERTO [US], et al

Cited by
EP3066810A4; US9794105B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2876852 A1 20150527; US 2015146820 A1 20150528; US 9313055 B2 20160412

DOCDB simple family (application)
EP 13194170 A 20131122; US 201414548888 A 20141120